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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: KUTTAPPA et al

Filing Date: 27 JUL 2001

Serial No.: 09/917,175

Title: GOLF BALLS WITH HIGH SPECIFIC GRAVITY THREADS

Examiner: SUHOL, DMITRY

Group Art Unit: 3712

Att'y Docket: DSCK-1220

DECLARATION UNDER RULE 1.131

I, SANJAY KUTTUPPA, JENS JOHN, and JOHN CALABRIA do hereby declare and say that:

1. We are the inventors and applicants of the invention entitled "GOLF BALLS WITH HIGH SPECIFIC GRAVITY THREADS"—disclosed and claimed in U.S. Application No. 09/917,175 filed on July 27, 2001.

2. The invention described and claimed in said application was actually reduced to practice prior to February 4, 2000, as evidenced by the following facts, which are of our own personal knowledge.

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3. Attached hereto as an exhibit is a copy of a January 2000 progress report produced by inventor Sanjay Kuttappa that was addressed to Mr. John Calabria, former management at Dunlop and inventor, dated January 28, 2000. The memo memorializes the actual production of and initial testing of golf ball combinations with high specific gravity threads before the date of January 28, 2000. The exhibit accurately displays the relevant information regarding the instant invention contained in the claims.

4. The conception was completed prior to the actual reduction to practice, which is not addressed in the memorandum or this declaration. The memo memorializes the prior actual reduction to practice of several examples within a range that covers the application's claims. The statement referring to a "work is in progress to determine the amount of Tungsten" refers only to acquiring a series of production test data for manufacturing a ball with the high gravity thread windings in combination with a HT-liquid center and a SURLYN® cover. The memorandum only the addressed the determination of production levels of Tungsten in conjunction with the optimization of only this specific combination.

5. The document memorializes the production and testing of a thread wound golf ball having a thread with a high specific gravity, with at least one produced that was greater than 1.2. The example produced supports the independent genus of claim 1 and also supports the specific species claims providing an example of a thread containing a filler having a specific gravity greater than 5.6, specifically a tungsten filler.

6. Mr. Kuttappa had assisted in producing actual test examples that encompass all claims of U.S. Application Serial No. 09/917,175. Mr. Kuttappa attests that the report memorializes the actual production of examples produced prior to the date of February 4, 2000 and the balls produced are in full support of the claims of the invention.

7. All statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize

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the validity of the application or any patents issuing
thereon.

Signed:




Sanjay Kuttappa Date: 2/23/2004

Signed:



John Calabria Date: 2/27/2004

Signed:



Jens John Date: 2/28/04

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**MEMO**

TECHNOLOGY CENTER/IR/00

RECEIVED
MAR 16 2004

TO: John Calabria
FROM: Sanjay M. Kuttappa
DATE: January 28, 2000
SUBJECT: JANUARY - PROGRESS & PRODUCT DEVELOPMENT PROJECTS - UPDATE

The following is an update on a partial list of projects for the month. The summary on Product Development projects are itemized separately below.

1. **PRODUCTION AND RELATED PROCESSING ISSUES**
 - Provided day to day inputs towards internal mixing operations.
 - No inputs have been received from Davis Standard yet to improve the extrusion rate on the continuous extruders.
2. **THREAD DEVELOPMENT**
 - Work is in progress to determine the amount of Tungsten to be added to the thread compound using Revere thread, HT-liquid centers and a Surlyn cover.
3. **TWO COVER - URETHANE**
 - 1.48" Ø cores that were molded at three different compressions have been covered with inner covers and 50 & 55D CPU covers. Results from testing are awaited.

The following are the summaries on the development projects. Attached is the updated timeline for the Revere.

- I. **REVERE - MAXFLITE & Slazenger-Pro Preferred**
 - It has been decided to use the same ball for the Slazenger Pro Preferred. A TDC will be issued.
 - Marketing samples for the PGA Show and Pro Samples were run between Jan. 12th to the 26th.
 - Specifications are being established from the above run. It will be issued as part of the TDC.
 - There were no major concerns with the process except the pigment paint being slightly lacy and some minor interruptions at the core insert station with regards to vacuum. Work is in progress to correct these issues.
 - There was 36% fallout/balls missing during the process. Also, ~120-doz. balls were miss-stamped. Another plant run of *Elite* balls is in progress to supplement the shortage.
- II. **DUAL CORE**
 - Volvik is preparing dual core samples at 1.58" Ø. The delay is due to the lead-time for them to obtain a template for their glaser machine to achieve the required size.